

COYOTE VALLEY SPECIFIC PLAN

HYDROLOGY AS AN ELEMENT OF THE ENVIRONMENTAL FOOTPRINT

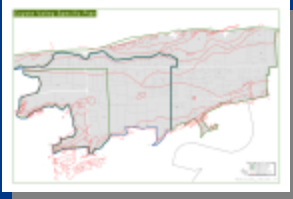
TASK FORCE MEETING
April 12, 2004

Environmental Footprint

Elements of Consideration



Hydrology



Geology



Biological Habitat: Animals



Biological Habitat: Plants



Hazardous Sites



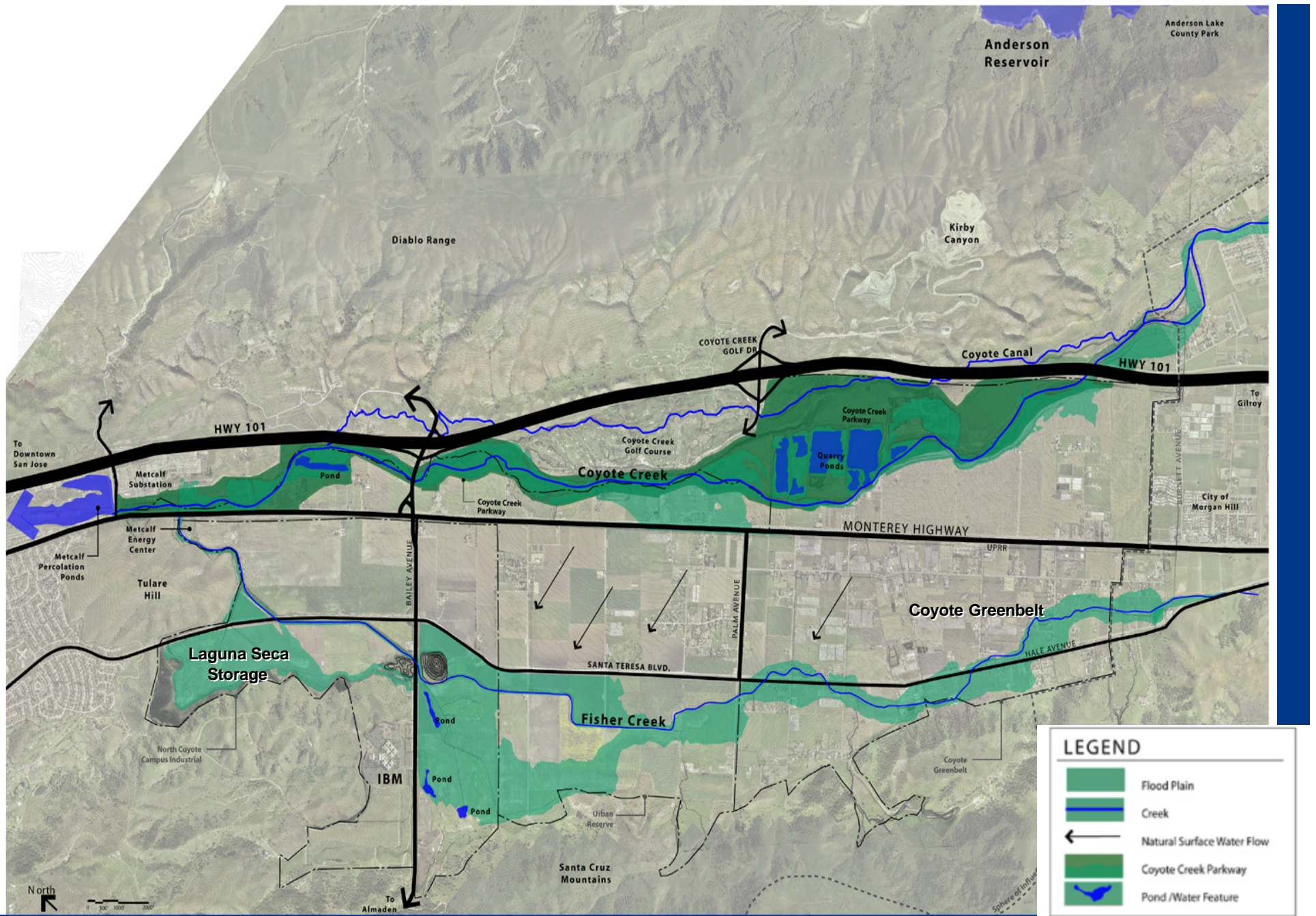
Cultural Resources

Elements of Consideration



Hydrology

- Groundwater Management And Water Supply
 - Groundwater Recharge
 - Regional Water Supplies
 - Water Use Efficiency
 - Recycled Water Use
 - Water Conservation Programs
- Floodplain Management
- Water Quality



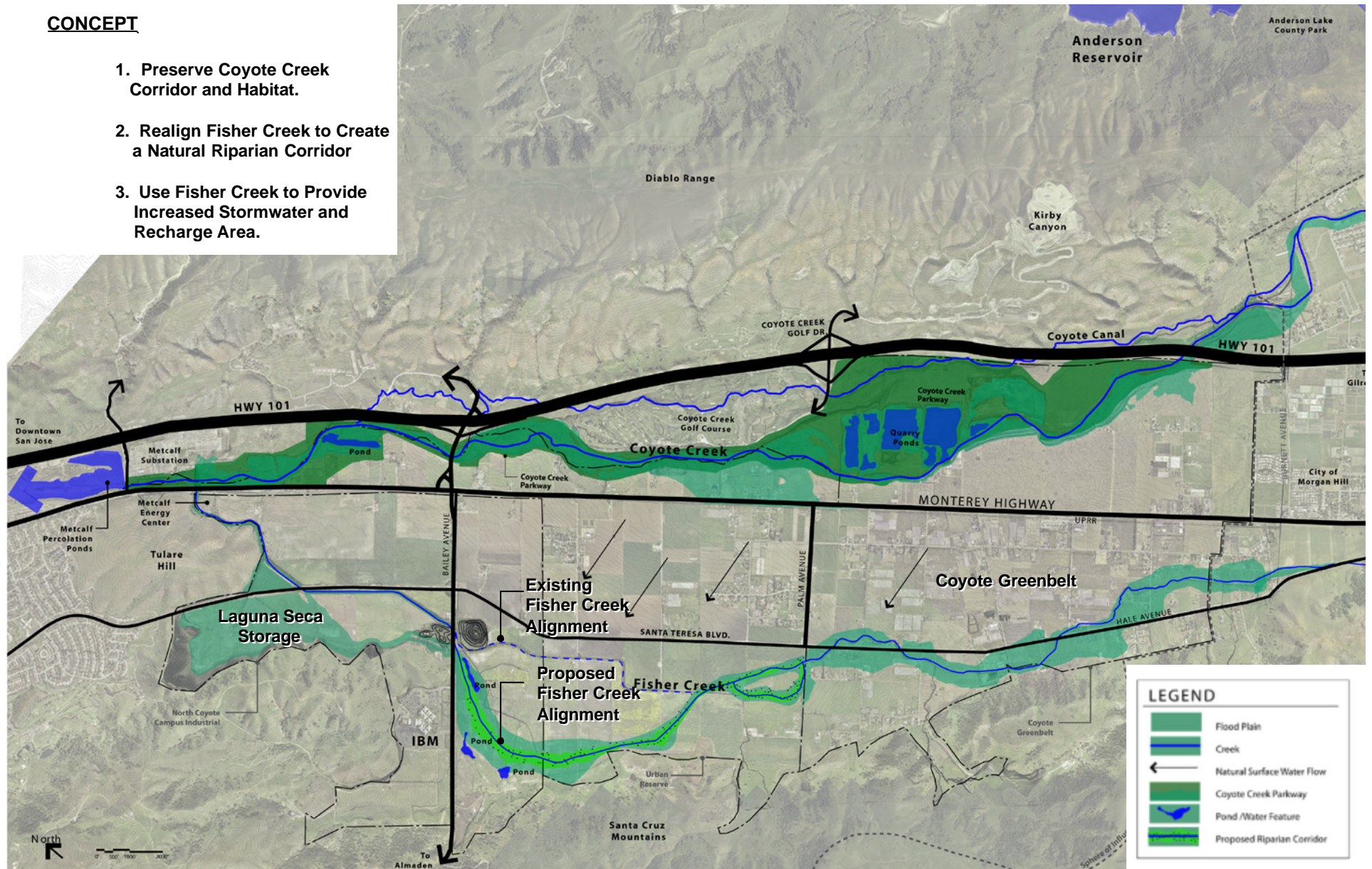
Existing Conditions

Preliminary Conceptual Plan

<i>Scheme I: Min.</i>	Hydrological Concept Diagram
<i>Scheme II: Mid.</i>	Hydrological Concept Diagram
<i>Scheme III: Max.</i>	Hydrological Concept Diagram

CONCEPT

- 1. Preserve Coyote Creek Corridor and Habitat.**
- 2. Realign Fisher Creek to Create a Natural Riparian Corridor**
- 3. Use Fisher Creek to Provide Increased Stormwater and Recharge Area.**



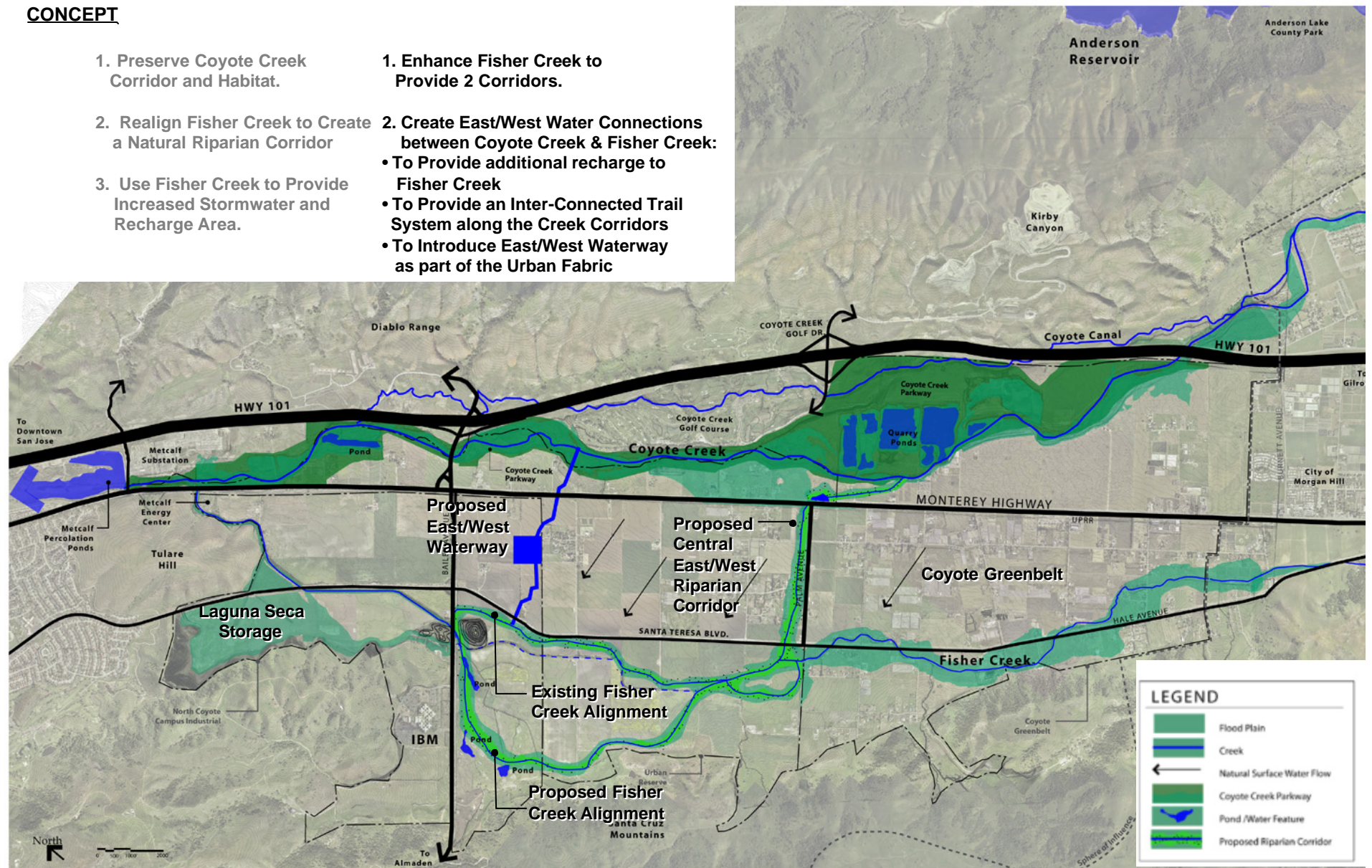
Preliminary Conceptual Plan

Scheme I: Minimum

Hydrological Concept Diagram

CONCEPT

1. Preserve Coyote Creek Corridor and Habitat.
2. Realign Fisher Creek to Create a Natural Riparian Corridor
3. Use Fisher Creek to Provide Increased Stormwater and Recharge Area.
1. Enhance Fisher Creek to Provide 2 Corridors.
2. Create East/West Water Connections between Coyote Creek & Fisher Creek:
 - To Provide additional recharge to Fisher Creek
 - To Provide an Inter-Connected Trail System along the Creek Corridors
 - To Introduce East/West Waterway as part of the Urban Fabric



Preliminary Conceptual Plan

Scheme II: Mid.

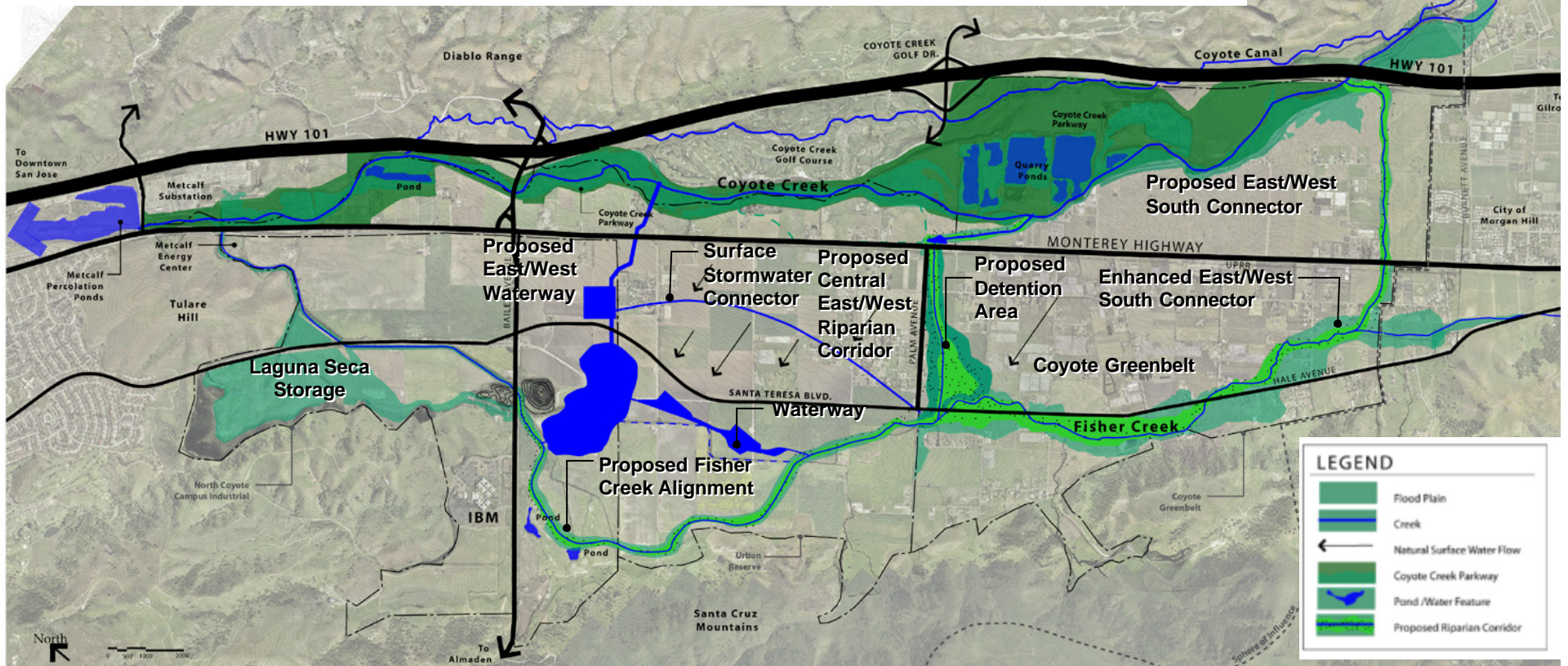
Hydrological Concept Diagram

CONCEPT

1. Preserve Coyote Creek Corridor and Habitat.
2. Realign Fisher Creek to Create a Natural Riparian Corridor
3. Use Fisher Creek to Provide Increased Stormwater and Recharge Area.

1. Enhance Fisher Creek to Provide 2 Corridors.
2. Create East/West Water Connections between Coyote Creek & Fisher Creek.
 - To Provide additional recharge to Fisher Creek
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 - To Introduce East/West Waterway as part of the Urban Fabric

1. Create a second East/West Corridor:
 - To Create a Buffer between Greenbelt and Morgan Hill
 - To Provide Summer Water in Fisher Creek in the Greenbelt Area
 - To Increase Recharge Area
 - To Provide an Additional Recreational Loop
2. Build Lakes for Habitats Enhancements, Recreation, and as a Visual Amenity
3. Create Additional Urban Waterways as a Definer of the Urban Form.



Preliminary Conceptual Plan

Scheme III: Maximum.

Hydrological Concept Diagram